

REMARKS/ARGUMENTS

Claims 1-9 and 11-30 are pending. The Claims have been amended to further clarify the invention. New Claims 21-30 further define Applicant's invention. Claim 10 has been canceled without prejudice. The support for the amendment of Claim 1 is found on page 8, lines 14-15, fifth table entry, of Applicant's specification. The support for the amendment of Claim 5 is found in original Claim 5. The support for the amendment of Claim 9 is found in original Claim 10. The support for the amendment of Claim 14 is found on page 5, lines 8-10, of the specification. The support for the amendment of Claim 19 is found on page 5, lines 25-29 of the specification. The support for new Claim 21 is found in original Claim 14, figure 2, and page 6, lines 2-6, of the specification. The support for Claims 22 and 23 is found on page 7, lines 14-16, of the specification. The support for Claims 24 and 25 is found on page 5, lines 27-29. The support for Claim 26 is found on page 8, lines 14-15, fifth table entry. The support for Claim 27 is found on page 5, lines 8-10. The support for Claim 28 is found on page 7, lines 1-13, and figure 3. The support for Claim 29 is found on page 5, lines 27-29, and figure 2. The support for Claim 30 is found on page 5, lines 8-12, and in figure 1. It is respectfully submitted that no new matter has been added.

Claim Objections

The Patent Office objected to Claim 5 because of a disagreement in number between a noun and verb. It is believed that the amendment to Claim 5 overcomes this objection. Accordingly, it is respectfully requested that the Patent Office withdraw the objection to Claim 5.

Claim Rejections – 35 U.S.C. § 102

The Patent Office rejected Claims 1-20 under 35 U.S.C. 103(a) as being anticipated by Micalizzi et al., U.S. Patent No. 6,564,271.

The present invention is directed to an interface. An interface system suitable for coupling a first bus interface controller with a second bus interface controller includes a

first bus interface controller and a second bus interface controller in which the second bus interface controller is coupled to the first bus interface controller via an interface. The interface includes a command queuing interface suitable for enqueueing a transaction, a command completion interface suitable for reporting transaction completion and a data transfer interface suitable for transferring data.

A Claim is anticipated by a reference if that reference discloses all the non-inherent elements of that Claim. M.P.E.P. § 2131

Claims 1-8 recite "a data transfer interface suitable for transferring data, wherein commands in the command queue include memory, input/output, configuration, and split completion commands." Micalizzi discloses read and write commands for direct memory access data transfers, but does not disclose this limitation. Thus, Claims 1-8 are not anticipated by Micalizzi. 1)

Claims 9 and 11-13 recite "wherein a plurality of transactions are queued, wherein the transactions are completed without regard to an order the transactions are queued." The Patent Office asserted that this limitation, previously found in Claim 10, was taught by Micalizzi, in column 5, lines 6-9, and in column 9, lines 28-40. Micalizzi, in column 5, lines 6-9, discloses the automatic transfer of I/O requests but does not disclose "the transactions are completed without regard to an order the transactions are queued." Micalizzi, in column 9, lines 28-40, discloses the adapter processor does not need to set up the transfer of input/output command or status blocks and that these blocks are automatically loaded and offloaded, but does not disclose "the transactions are completed without regard to an order the transactions are queued." Thus, Claims 9 and 11-13 are not anticipated by Micalizzi. 2)

Claims 14-20 recite "the first and second bus interface controllers are cores." Micalizzi does not teach this limitation. Thus, Claims 14-20 are not anticipated by Micalizzi. 3)

Claims 21-30 have been added to further define over the prior art of record.

Serial No.: 09/736,883

GAU: 2189

Response to the Office Action mailed July 30, 2003

CONCLUSION

In light of the foregoing arguments and amendments, reconsideration of all pending claims is requested, and a Notice of Allowance is earnestly solicited.

Respectfully submitted,

GATEWAY, INC.,

By:

Walter J. Malinowski

Walter Malinowski

Reg. No. 43,423

SUITER · WEST PC LLO
14301 FNB Parkway, Suite 220
Omaha, Nebraska 68154
Telephone 402.496.0300
Facsimile 402.496.0333